

Aero Design Ltd.**Work Order Control Sheet**Work Order#: 2017-176 Date Opened: 31 October 2017 Title: AssemblyAircraft OEM: Eurocopter Aircraft Model: AS350 Product Type: Cargo Basket Product Model: XL Ski Quantity: 1**Work Order Contents**

Work Order/Build Sheets (Procedures Provided)
Additional Work Sheets (Standard Practice)
Drawings (See List Below)
Parts Distribution Sheet
Sub Component Tags
Completed Certification
Time Sheet (R&D)
Notes

Initial or N/A

CB/JC
N/A
CB/JC
CB/JC
N/A
JC
N/A
N/A

Build Sheet Contents

Tasks Initialled
Dual Inspections Initialled

Initial or N/A

CB/JC
CB/JC

Drawing List

Drawing #	Rev #	Description	Initial or N/A
94010	1	Basket Assembly	CB/JC
70405	4	Lid Walkway Mod.	CB/JC
84240	0	Lid Brace Installation	CB/JC
84255	2	Handle Installation	CB/JC
94027	1	Placard	CB/JC
84261	2	Handle Assembly	CB/JC

Component Completion

Quantity Complete on This Work Order
Quantity Incomplete on This Work Order
Further Processing Required Before Release
Release to Stock as Components

As Instructed

1
N/A
N/A
N/A

Certification

Form One Completed
Serviceable (Green) Tag Completed
In Process (Yellow) Tag Completed
Unserviceable (Red) Tag Completed
Parts Placed in Stores for Distribution

Initial or N/A

CB/JC
N/A
N/A
N/A
N/A

Additional Documentation

Documentation of a minor change
Non-Conformance Report Required
Service Difficulty Report Required

Initial or N/A

N/A
N/A
N/A

Billing

Local (Aero Design)
Research and Development
Third Party

Initial or N/A

JC
N/A
N/A

Traveller

Install walkway on lid
Install lid on basket body
Re-tap mounting lug holes and install mount lugs
Install handle brackets
Install handle
Install lid prop
Install data plate

Initial or N/A

CB/JR
CB/JR
CB/JR
CB/JR
CB/JR
CB/JR
CB/JR

Work performed by:

Print: C. Brander/J. RekveSign: [Signature]SCA: AD01Date: 02-Nov-17

ICC / Dual Inspection preformed by:

Print: J. ClarkeSign: [Signature]SCA: AD02Date: 06-Nov-17

Work Order closed by:

Print: J. ClarkeSign: [Signature]SCA: AD02Date: 06-Nov-17

Approved Manufacturing Facility 73-04

Form 20.D.03

Rev. Original 23 Sep 2014



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Lid AS350 XL No. of pieces: 1

Manufacturer: Aero Design Ltd

Part No.: 94012-01 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-83

Remaining Tasks to be Performed: See reverse.

Signature: *David Maitz*

Date: Sept 20/2017 Lic. No. / SCA 73-04
06

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

In Process

Remarks

Step. 1. prime, paint 4 spots OK
2. Inspect J.
3. Tag - This tag J.



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 XL Body No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 94011-01 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-133-04

Remaining Tasks to be Performed: See reverse.

Signature: David Marty

Date: Sept. 20/2017 Lic. No. / SCA 73-04
05

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Remarks

In Process

Steps. 10. ✓

11. ✓

12. ✓



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Handle (AS350 ski) No. of pieces: 1

Manufacturer: Aero Design

Part No.: 84261-01 Serial/Batch No.: NSN

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-177

Remaining Tasks to be Performed: none

Signature: [Signature] [Signature]

Date: Nov. 2, 2017 Lic. No. / SCA AD02

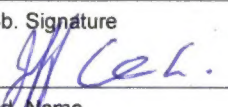
Serviceable



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity:	1	
PN:	MS20001P4-9600	
Aircraft:	All	Model: All
Description:	Hinge	
Supplier:	GKN Aerospace Bandy Machining	
Color:	N/A	
WO#:	N/A	PO# 17017

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2017-0406	
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-176	
6. Item 1.	7. Description Cargo Basket	8. Part Number 94010-01	9. Qty. 1	10. Serial/Batch No. 94001-83	11. Status/Work New	
12. Remarks Modified with walkway on lid IAW DCL704						
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.			
13b. Signature  AD 73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 06 Nov 2017		14d. Name		14e. Date (dd/mmm/yyyy)
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

Approved for test use 31 Oct 2017
Asa Beh

Aero Design Ltd.
 AMF 73-04
 94010 (-01RH, -02LH)

Complete Product Assembly Instructions - Eurocopter AS350 XL Ski Basket

Work Order Number: 2017-176

Date opened: 31 Oct. 2017

This sheet is designed to assist in the fabrication of Aero Design products in accordance with the company Manufacturing Policy Manual, the Canadian Aviation Regulations and other applicable technical documentation.

The reference column of the following table is for reference unless a specific instruction is called out.

Install placard on basket body

Parts:

Quantity	Part Number	Description	Material	PO/WO
1	94011-01-XX	Basket Body Assembly	N/A	2017-133-04
.1	94017-01	Placard	0.050 Sheet, 6061-T6 Aluminum	94001-83 83 2015-03
..4	CR3213-4-02	Cherry Rivet	aluminum	17070

Procedure:

Step	Description	Reference	Initials	SCA
1	Align placard on bracket on basket body	dwg 94010	CB	73-04 01
2	Drill #30 through placard and bracket, using holes in placard.	N/A	CB	73-04 01
3	Remove placard and de-burr holes in placard and on bracket.	N/A	CB	73-04 01

4	Locate placard on bracket, and cleco in place.	dwg 94010	CB	73-04 01
5	Rivet placard with four CR3213-4-02 CherryMax rivets.	N/A	CB	73-04 01

Install lid bumpers

Parts:

Quantity	Part Number	Description	Material	PO/WO
1	94012-01	Basket Lid Assembly	N/A	2017-B3
. 4	49205-14	Bumper	Argus Industries Bumper	See RDS
. A/R	--	Sealant	Commercial Silicone RTV sealant	N/A

Procedure:

Step	Description	Reference	Initial or SCA
1	Drill ¼" holes using center drill, 4 places.	dwg 94010	CB 73-04 01
2	Fill bumper holes with RTV silicone sealant.	N/A	CB 73-04 01
3	Insert 49205-14 lid bumper, 4 places per lid.	N/A	CB 73-04 01

Attach checker plate

Parts:

Quantity	Part Number	Description	Material	PO/WO
1	70405-04	Lid Checker Plate	3003 Aluminum Tread Plate, 0.063"	17081
. A/R	--	Sealant	Commercial Silicone RTV sealant	N/A
. A/R	CR3213-4-02	Cherry Rivet	aluminum	17070

Procedure:

Note: Use gloves when touching surface of checker plate to prevent smudges or marks on the top surface.

Step	Description	Reference	Initial or SCA
1	Place masking tape on ribs of lid to protect it from the checker plate.	N/A	CB 73-04 AD 01
2	Pull checker plate from stock and place on lid so that one end lines up with the top of the radius of the edge of the lid.	dwg 94010	CB 73-04 AD 01
3	Mark the points where the checker plate meets the top of the radius of the other edge of the lid.	N/A	CB 73-04 AD 01
4	Shear checker plate to marked length.	N/A	CB 73-04 AD 01
5	De-burr edges of checker plate with scotch-brite wheel on bench grinder.	N/A	CB 73-04 AD 01
6	Locate checker plate on lid and hold in place with bags of lead shot.	dwg 70405	CB 73-04 AD 01
7	Mark and drill #30 holes: a. 0.25" from edge of checker plate, centre on cross members (0.38") b. 0.25" from edge of checker plate, middle of each walkway stringer	N/A	CB 73-04 AD 01
8	De-burr and counter-bore (if required to provide clearance of rivet head on checker pattern) all holes in tread plate using 1/4" piloted counter bore on both sides.	N/A	CB 73-04 AD 01

9	Remove tape and de-burr holes in lid.	N/A	CB	AD 73-04 01
10	Apply bead of RTV silicone sealant along all tubes under checker plate	N/A	CB	AD 73-04 01
11	Set checker plate in place, secure with clecos.	N/A	CB	AD 73-04 01
12	Rivet checker plate to lid with CR3213-4-02 CherryMax rivets	N/A	CB	AD 73-04 01

Hinge installation

Parts:

Quantity	Part Number	Description	Material	PO/WO
1	MS20001P4	Piano Hinge	95"	17017
. A/R	--	Sealant	Commercial Silicone RTV sealant	N/A
.. 8	CR3523-5-02	Cherry Rivet	monel	16063
.. A/R	CR3213-5-02	Cherry Rivet	aluminum	17070

Procedure:

Step	Description	Reference	Initial or SCA
1	Place hinge and lid on basket, making sure to align front edge of lid with front edge of basket. Clamp front edge of lid to the basket.	N/A	CB AD 73-04 01
2	Accurately locate hinge and clamp to lid rim. Make a mark on right end of hinge for accurate placement throughout assembly process. a. center fore/aft b. 0.15" – 0.18" down from top edge	N/A	CB AD 73-04 01
3	Put masking tape on the ribs of the basket behind the lid to protect them through the next few steps.	N/A	CB AD 73-04 01

4	Making sure to protect the basket from damage, drill #30 through holes in hinge into lid. Do the ends first and then do every other one. Cleco in place with 1/8 clecos.	dwg 94010	CB 73-04 AD 01
5	Drill holes up to #21 through hinge and lid. Replace 1/8 clecos with 5/32 clecos.	N/A	CB 73-04 AD 01
6	Mark the ends of the hinge on the masking tape. Place a small wedge under the rear of the lid on both ends to retain vertical position. Remove clecos.	N/A	CB 73-04 AD 01
7	Place a rigid straight edge along the back of the hinge and clamp in place. This and the pencil marks will allow accurate placement of the hinge.	image 1	CB 73-04 AD 01
8	Remove lid and deburr holes in lid.	N/A	CB 73-04 AD 01
9	Confirm accurate placement of the hinge and clamp in place.	image 1	CB 73-04 AD 01



Image 1

10	Drill #30 through holes in hinge into basket tube. Cleco in place with 1/8 clecos.	N/A	CB 73-04 AD 01
11	Drill holes up to #21 through hinge and tube. Replace 1/8 clecos with 5/32 clecos.	N/A	CB 73-04 AD 01

12	Remove all clecos and deburr hinge and basket tubes	N/A	CB AD 73-04 01
13	Place hinge accurately on basket and cleco in place.	image 1	CB AD 73-04 01

Note: Put a small dab of RTV silicone around the perimeter of each rivet near the tip.

14	Attach hinge to basket with CherryMax rivets: a. CR3523-5-03 monel rivets – last 2 rivets in each end of hinge b. CR3213-5-03 aluminum rivets – all other locations on hinge	N/A	CB AD 73-04 01
15	Place lid accurately on basket and cleco in place.	N/A	CB AD 73-04 01

Note: Put a small dab of RTV silicone around the perimeter of each rivet near the tip.

16	Attach hinge to lid with CherryMax rivets: a. CR3523-5-03 monel rivets – last 2 rivets in each end of hinge b. CR3213-5-03 aluminum rivets – all other locations on hinge	N/A	CB AD 73-04 01
----	---	-----	----------------

Install Attachment Fittings

Parts:

Quantity	Part Number	Description	Material	PO/WO
.. 4	96710-01	Fitting	Alternate: Ancra 40088-14	See PDS
.. 8	NAS1149F0663P	Washer	N/A	See PDS
.. A/R	N/A	anti-seize compound	N/A	N/A

Procedure:

Step	Description	Reference	Initial or SCA
1	Carefully remove excess powder coat from around attachment lug threads using a countersink.	N/A	CB 73-04 AD 01
2	Run 3/8-24 tap into attachment lugs to clear threads.	N/A	CB 73-04 AD 01
3	Apply anti-seize compound to attachment fittings 96710-01 (alternate: Ancra 40088-14)	N/A	CB 73-04 AD 01
4	Install attachment fittings with two NAS1149F0363P washers in four lugs in basket.	N/A	CB 73-04 AD 01
5	Torque to 160-190 in-lbs (13.3-15.8 ft-lbs).	N/A	CB 73-04 AD 01

Install handle brackets**Parts:**

Quantity	Part Number	Description	Material	PO/WO
.. 2	84267-01	Bracket	Delrin, 1/4" Sheet	See PDS
.. 4	AN3-11A	Bolt	N/A	See PDS
.. 8	NAS1149F0363P	Washer	N/A	See PDS
.. 4	MS21044N3	Nut	N/A	See PDS

Procedure:

Step	Description	Reference	Initial or SCA
1	Set 84267-01 handle bracket on provisions in hoops, 2 places. It may be necessary to clear the powder coating out of the holes with an angle drill and a #9 bit.	dwg 84255	CB 73-04 AD 01
2	Install AN3-11A bolt, NAS1149F0363P washer (2), MS21044N3 nut. Two places per bracket, two brackets per basket.	dwg 84255	CB 73-04 AD 01

Rev. 1

Oct. 27, 2017

3	Torque AN3 bolts to 20-25 in-lbs.	N/A	CB 73-04 AD 01
---	-----------------------------------	-----	-------------------

Install handle

Parts:

Quantity	Part Number	Description	Material	PO/WO
.. 1	84261-01	Handle Assembly	N/A	2017-177
.. 2	36278-01	Spring (1 left, 1 right)	304 Stainless, 1/16" Dia Music Wire	See PDS
.. 2	36275-01	Bushing	Brass, 5/16" Dia	See PDS
.. 2	AN3-12A	Bolt	N/A	See PDS
.. 4	NAS1149F0363P	Washer	N/A	See PDS
.. 2	MS21044N3	Nut	N/A	See PDS
.. A/R	N/A	Mobil Grease 28 or equivalent	N/A	N/A

Procedure:

Step	Description	Reference	Initial of SCA
1	Trim 36278-01R and 36278-01L springs to ensure end of spring does not extend past edge of handle bracket, approximately 1/8". Set springs over bushing of 84261-01 handle assembly.	N/A	CB 73-04 AD 01
2	Grease two 36275-01 bushings with Mobil Grease 28 or equivalent. Insert into bushings of handle assembly.	N/A	CB 73-04 AD 01
3	Locate handle on basket lid. Insert AN3-12A bolt with NAS1149F0363P through bracket on lid and handle bushing on one end of handle.	dwg 85255	CB 73-04 AD 01
4	On other end of handle, hook spring over catch rivet on handle assembly and use spring tool to twist spring to catch arm on bracket on lid while inserting AN3-12A bolt with NAS1149F0363P washer through lid bracket and	N/A	CB 73-04 AD 01

Rev. 1

Oct. 27, 2017

5	At first end, remove bolt and repeat step 4	N/A	CB 73-04 AD 01
6	Install NAS1149F0363P washer and MS21044N3 nut on both AN3-12A bolts.	N/A	CB 73-04 AD 01
7	Torque AN3 bolts to 20-25 in-lbs.	N/A	CB 73-04 AD 01

Check handle

Procedure:

Step	Description	Reference	Initial or SCA
1	Operate handle to ensure handle does not bind and springs hold handle in.	N/A	CB 73-04 AD 01
2	Snap handle into brackets to ensure handle locks.	N/A	CB 73-04 AD 01

Install Lid Brace

Parts:

Quantity	Part Number	Description	Material	PO/WO
..1	36280-01	Brace Assembly	N/A	2017-170
..1	AN3-15A	Bolt	N/A	See PDS
..1	AN3-17A	Bolt	N/A	See PDS
..2	AN970-3	Washer	N/A	See PDS
..3	NAS1149F0363P	Washer	N/A	See PDS
..2	MS21044N3	Nut	N/A	See PDS

Rev. 1

Oct. 27, 2017

Procedure:

Step	Description	Reference	Initial or SCA
1	Locate 36280-01 lid brace on bushing on basket body. Ensure brace is on forward end of basket as it will be installed on the helicopter.	N/A	CB AD 73-04 01
2	On lid end, insert AN970-3 washer into end of lid brace. Insert AN3-15A bolt with NAS1149F0363P washer through AN970-3 washer, lid brace, and lid bushing. Install NAS1149F0363P washer and MS21044N3 nut on bolt.	dwg 84240	CB AD 73-04 01
3	On basket end, insert AN3-17A bolt with AN970-3 washer through lid prop and basket bushing. Install NAS1149F0363P washer and MS2144N3 nut on bolt.	dwg 84240	CB AD 73-04 01
4	Ensure brace is seated on lip of bushings before tightening nuts. This may require the removal of powder coating with a knife or sharp-edged file.	N/A	CB AD 73-04 01
5	Torque AN3 bolts to 20-25 in-lbs.	N/A	CB AD 73-04 01

Final inspection**Procedure:**

Step	Description	Reference	Initial or SCA
1	Note: This should be completed by someone who did not assemble the basket. Dual inspection.	N/A	
2	Check for general condition and correct assembly: a. Bolts are tight b. Rivets are installed correctly c. Handle operates correctly d. Lid brace operates correctly	N/A	AD 73-04 02
3	Check that PO/WO numbers have been recorded.	N/A	AD 73-04 02

65 T15-01 FITTING
NAST-408000 3P

DETAIL B

SCALE 1:2

TYPICAL FRONT AND REAR

4 PLACES

QUICK RELEASE BASKET
Maximum weight of 300 lbs/136 kg

MAXIMUM PERMISSIBLE LOAD
300 LBS/136 KG

AERO DESIGN LTD.
10000 10th Ave. N.E.
www.aerodesign.ca

DETAIL C

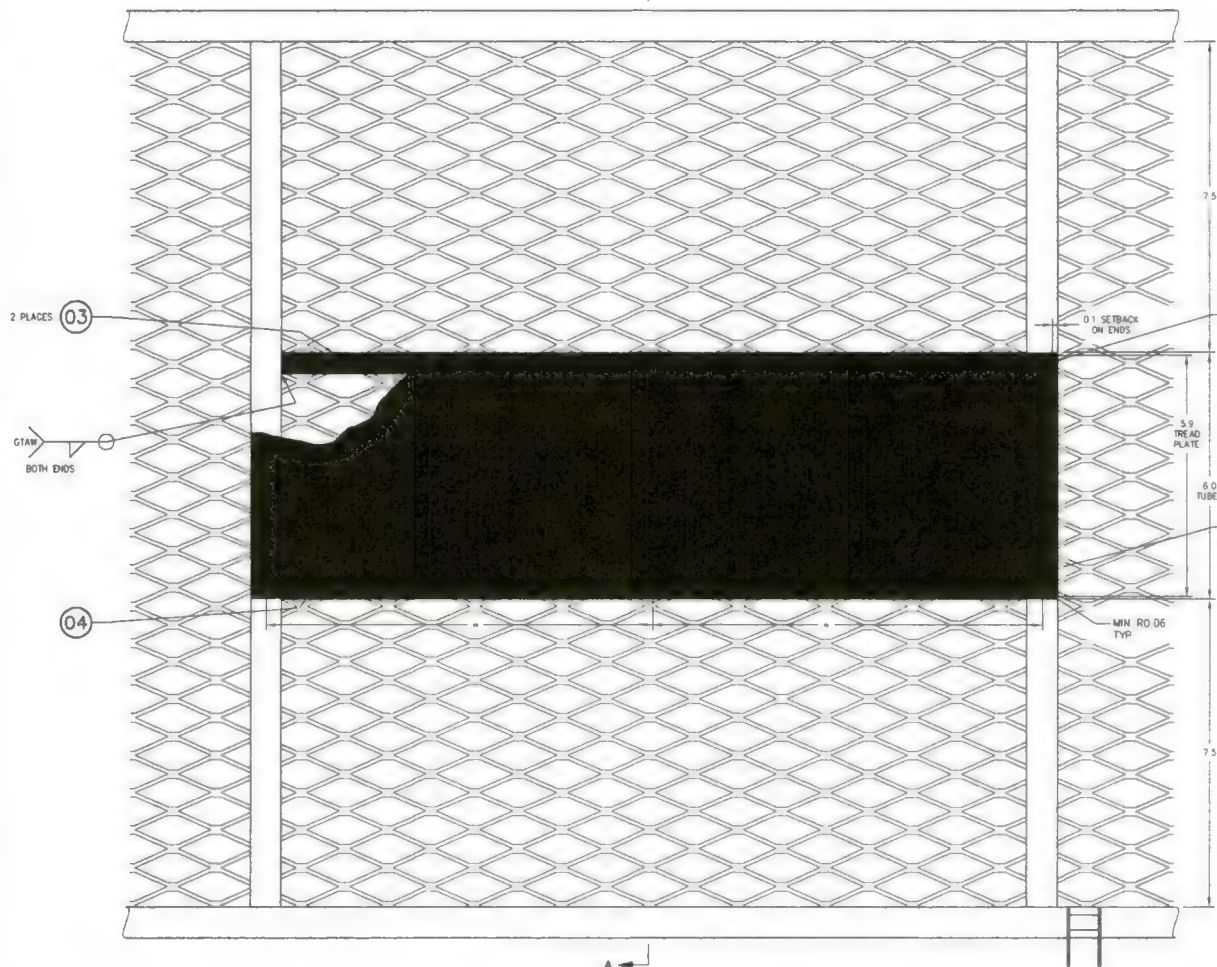
SCALE: 1:1
LOOKING AT PLACARD BRACKET

NOTE:
1. ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS OF COMPONENTS AND COMPLETE ASSEMBLY ARE DETERMINED IN PREVIOUS STEPS.

4	1331740000	DISPOS							
5	0870-0	OTRNG							
6	09313-1-00	CHASS							
7	09313-3-00	CHASS							
8	09313-4-00	CHASS							
9	09313-5-00	CHASS							
10	14155-01	WHEEL							
11	14155-02	WHEEL							
12	14155-03	WHEEL							
13	14155-04	WHEEL							
14	14155-05	WHEEL							
15	14155-06	WHEEL							
16	14155-07	WHEEL							
17	14155-08	WHEEL							
18	14155-09	WHEEL							
19	14155-10	WHEEL							
20	14155-11	WHEEL							
21	14155-12	WHEEL							
22	14155-13	WHEEL							
23	14155-14	WHEEL							
24	14155-15	WHEEL							
25	14155-16	WHEEL							
26	14155-17	WHEEL							
27	14155-18	WHEEL							
28	14155-19	WHEEL							
29	14155-20	WHEEL							
30	14155-21	WHEEL							
31	14155-22	WHEEL							
32	14155-23	WHEEL							
33	14155-24	WHEEL							
34	14155-25	WHEEL							
35	14155-26	WHEEL							
36	14155-27	WHEEL							
37	14155-28	WHEEL							
38	14155-29	WHEEL							
39	14155-30	WHEEL							
40	14155-31	WHEEL							
41	14155-32	WHEEL							
42	14155-33	WHEEL							
43	14155-34	WHEEL							
44	14155-35	WHEEL							
45	14155-36	WHEEL							
46	14155-37	WHEEL							
47	14155-38	WHEEL							
48	14155-39	WHEEL							
49	14155-40	WHEEL							
50	14155-41	WHEEL							
51	14155-42	WHEEL							
52	14155-43	WHEEL							
53	14155-44	WHEEL							
54	14155-45	WHEEL							
55	14155-46	WHEEL							
56	14155-47	WHEEL							
57	14155-48	WHEEL							
58	14155-49	WHEEL							
59	14155-50	WHEEL							
60	14155-51	WHEEL							
61	14155-52	WHEEL							
62	14155-53	WHEEL							
63	14155-54	WHEEL							
64	14155-55	WHEEL							
65	14155-56	WHEEL							
66	14155-57	WHEEL							
67	14155-58	WHEEL							
68	14155-59	WHEEL							
69	14155-60	WHEEL							
70	14155-61	WHEEL							
71	14155-62	WHEEL							
72	14155-63	WHEEL							
73	14155-64	WHEEL							
74	14155-65	WHEEL							
75	14155-66	WHEEL							
76	14155-67	WHEEL							
77	14155-68	WHEEL							
78	14155-69	WHEEL							
79	14155-70	WHEEL							
80	14155-71	WHEEL							
81	14155-72	WHEEL							
82	14155-73	WHEEL							
83	14155-74	WHEEL							
84	14155-75	WHEEL							
85	14155-76	WHEEL							
86	14155-77	WHEEL							
87	14155-78	WHEEL							
88	14155-79	WHEEL							
89	14155-80	WHEEL							
90	14155-81	WHEEL							
91	14155-82	WHEEL							
92	14155-83	WHEEL							
93	14155-84	WHEEL							
94	14155-85	WHEEL							
95	14155-86	WHEEL							
96	14155-87	WHEEL							
97	14155-88	WHEEL							
98	14155-89	WHEEL							
99	14155-90	WHEEL							
100	14155-91	WHEEL							
101	14155-92	WHEEL							
102	14155-93	WHEEL							
103	14155-94	WHEEL							
104	14155-95	WHEEL							
105	14155-96	WHEEL							
106	14155-97	WHEEL							
107	14155-98	WHEEL							
108	14155-99	WHEEL							
109	14155-100	WHEEL							
110	14155-101	WHEEL							
111	14155-102	WHEEL							
112	14155-103	WHEEL							
113	14155-104	WHEEL							
114	14155-105	WHEEL							
115	14155-106	WHEEL							
116	14155-107	WHEEL							
117	14155-108	WHEEL							
118	14155-109	WHEEL							
119	14155-110	WHEEL							
120	14155-111	WHEEL							
121	14155-112	WHEEL							
122	14155-113	WHEEL							
123	14155-114	WHEEL							
124	14155-115	WHEEL							
125	14155-116	WHEEL							
126	14155-117	WHEEL							
127	14155-118	WHEEL							
128	14155-119	WHEEL							
129	14155-120	WHEEL							
130	14155-121	WHEEL							
131	14155-122	WHEEL							
132	14155-123	WHEEL							
133	14155-124	WHEEL							
134	14155-125	WHEEL							
135	14155-126	WHEEL							
136	14155-127	WHEEL							
137	14155-128	WHEEL							
138	14155-129	WHEEL							
139	14155-130	WHEEL							
140	14155-131	WHEEL							
141	14155-132	WHEEL							
142	14155-133	WHEEL							
143	14155-134	WHEEL							
144	14155-135	WHEEL							
145	14155-136	WHEEL							
146	14155-137	WHEEL							
147	14155-138	WHEEL							
148	14155-139	WHEEL							
149	14155-140	WHEEL							
150	14155-141	WHEEL							
151	14155-142	WHEEL							
152	14155-143	WHEEL							
153	14155-144	WHEEL							
154	14155-145	WHEEL							
155	14155-146	WHEEL							
156	14155-147	WHEEL							
157	14155-148	WHEEL							
158	14155-149	WHEEL							
159	14155-150	WHEEL							
160	14155-151	WHEEL							
161	14155-152	WHEEL							
162	14155-153	WHEEL							
163	14155-154	WHEEL							
164	14155-155	WHEEL							
165	14155-156	WHEEL							
166	14155-157	WHEEL							
167	14155-158	WHEEL							
168	14155-159	WHEEL							
169	14155-160	WHEEL							
170	14155-161	WHEEL							
171	14155-162	WHEEL							
172	14155-163	WHEEL							
173	14155-164	WHEEL							
174	14155-165	WHEEL							
175	14155-166	WHEEL							
176	14155-167	WHEEL							
177	14155-168	WHEEL							
178	14155-169	WHEEL							
179	14155-170	WHEEL							
180	14155-171	WHEEL							
181	14155-172	WHEEL							
182	14155-173	WHEEL							
183	14155-174	WHEEL							
184	14155-175	WHEEL							
185	14155-176	WHEEL							
186	14155-177	WHEEL							
187	14155-178	WHEEL							
188	14155-179	WHEEL							
189	14155-180	WHEEL							
190	14155-181	WHEEL							
191	14155-182	WHEEL							
192	14155-183	WHEEL							
193	14155-184	WHEEL							
194	14155-185	WHEEL							
195	14155-186	WHEEL							
196	14155-187	WHEEL							
197	14155-188	WHEEL							
198	14155-189	WHEEL							
199	14155-190	WHEEL							
200	14155-191	WHEEL							
201	14155-192	WHEEL							
202	14155-193	WHEEL							
203	14155-194	WHEEL							
204	14155-195	WHEEL							
205	14155-196	WHEEL							
206	14155-197	WHEEL							
207	14155-198	WHEEL							
208	14155-199	WHEEL							
209	14155-200	WHEEL							
210	14								

[illegible]

A ←



(01) BASKET LID ASSEMBLY

SECTION A-A

REV	DESCRIPTION OF CHANGE	INITIALS	DATE
1	ADD BELL MEDIUM AND EUROCOPTER AS350 BASKETS, CHANGE TUBES	BUC	MAR 19/08
2	ADD EUROCOPTER EC135, MCDONNELL DOUGLAS WOODSON BELL 206B BASKETS	BUC	DEC 4/08
3	ADD NEW AS350 AND 206L/407 MODELS	BUC	DEC 4/08
4	TITLE BLOCK UPDATED, MODEL LIST REMOVED, ADD ALT RIVET, ADD NOTE 3	BUC	28/05/2014

NOTES

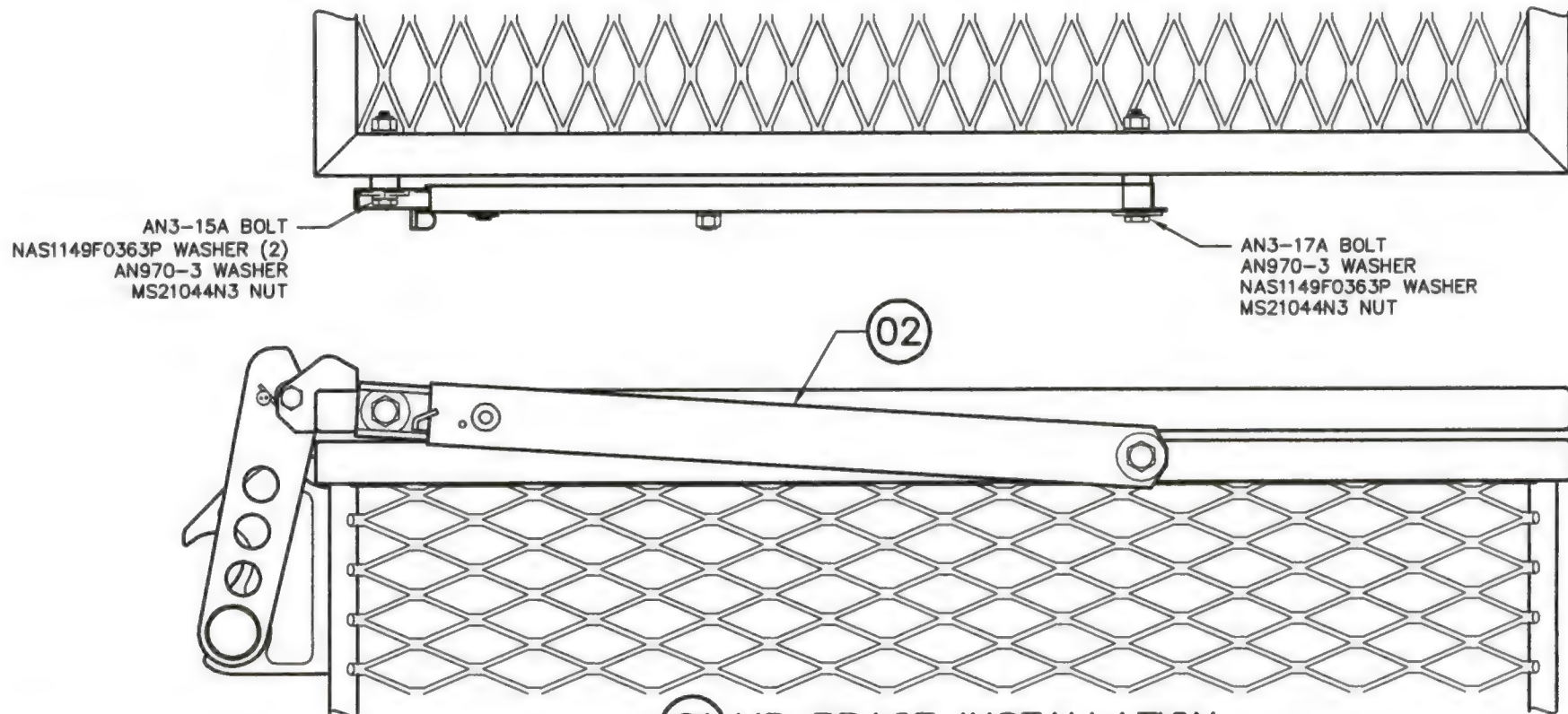
1. THIS DRAWING IS AN OPTIONAL CONFIGURATION ADDING A TREAD PLATE STEP TO THE LID. THIS CONFIGURATION MAY BE APPLIED TO ANY OR ALL BAYS OF THE LID. REMAINDER OF LID ASSEMBLY IS TO BE FABRICATED IN ACCORDANCE WITH THE APPLICABLE DRAWINGS.
2. TUBES (ITEM 03) MUST BE WELDED IN PLACE BEFORE MESH IS WELDED ON BOTTOM.
3. REMOVE ALL BURRS AND BREAK SHARP EDGES.
4. WELDING OF 4130 STEEL TO BE COMPLETED BY GTAW METHOD TO AWS 2885C. WELDING ROD SHALL CONFORM TO ER70S-2 OR EQUIVALENT.
5. WHEN ASSEMBLY IS COMPLETE, FILL ALL VENT HOLES WITH ROSETTE WELD.
6. THOROUGHLY CLEAN AND POWDER COAT BASKET SUB-ASSEMBLIES PRIOR TO ASSEMBLY. INSTALL TREAD PLATE AFTER POWDER COATING.
7. WIDTH AND POSITION OF LID STEP MAY BE ADJUSTED TO MATCH LID DOOR INSTALLED IN ACCORDANCE WITH DRAWING 70402 ON ADJOINING BAY OF THE LID.

A/R	CR3213-4-02	BLIND RIVET	ALTERNATE HR3213-4-02			
1	70405-04	04 TREAD PLATE	ALUMINUM	COMMERCIAL	0.083 TREAD PLATE	
2	70425-03	03 TUBE	4130 STEEL COND N	MIL-T-6736	0.5 X 0.035 WALL TUBE	
1	SEE NOTE 1	02 BASKET LID ASSEMBLY				
	70405-01	01 BASKET LID ASSEMBLY - MODIFIED WITH STEP				
Q1	PART NO	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY	LIST OF MATERIALS					

BASIC CODE REF HAS 523 C=COUNTERSINK D=DIMPLE DIGIT# OF SHEETS TO BE DIMPLED		DASH NO FOR DIAMETER N=NO HEAD NEAR SIDE F=NO HEAD FAR SIDE DASH NO FOR LENGTH		APPROVALS DRAWN: JEFF CLARKE CHECKED: E BURGON DATE: 21 SEPT 2008		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS: X.XXX ±0.010 ANGLES: X.XX ±0.3 X.X ±0.1		AERO DESIGN LTD. 8888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 604-683-8876 www.aerodesign.ca	
BASIC CODES: BJ=MS20470AD BB=MS20426AD ARN=CR3213 ARN=CR3212				+ INSTALL NEW RIVET + REMOVE/REPLACE RIVET - EXISTING RIVET		CARGO BASKET LID STEP MODIFICATION		SCALE 1:1.5 SHEET 1 OF 1	
Dwg No: 70405 Rev: 4									

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE	*	*



NOTES

- THIS DRAWING APPLIES TO ALL AERO DESIGN LTD. CARGO BASKET ASSEMBLIES.
LID PROP IS TO BE INSTALLED ON THE FORWARD END OF THE BASKET AS INSTALLED ON THE HELICOPTER.

2	MS21044N3		NUT
3	NAS1149F0363P		WASHER
2	AN970-3		WASHER
1	AN3-17A		BOLT
1	AN3-15A		BOLT
1	36280-01	02	LID BRACE ASSEMBLY
	84240-01	01	LID BRACE INSTALLATION
01	PART NO.	ITEM	DESCRIPTION
QTY.	LIST OF MATERIALS		

APPROVALS	DATE
DRAWN: JEFF CLARKE	21 MAY 2014
CHECKED: JASON REKVE	21 MAY 2014
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:	
DECIMALS	ANGLES
X.XXX ±0.010	±1/2°
X.XX ±0.03	
X.X ±0.1	

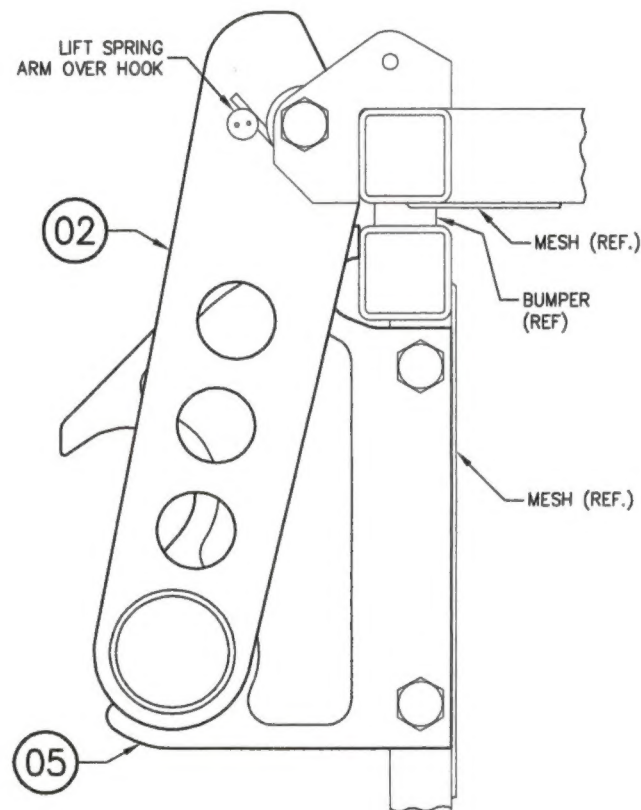
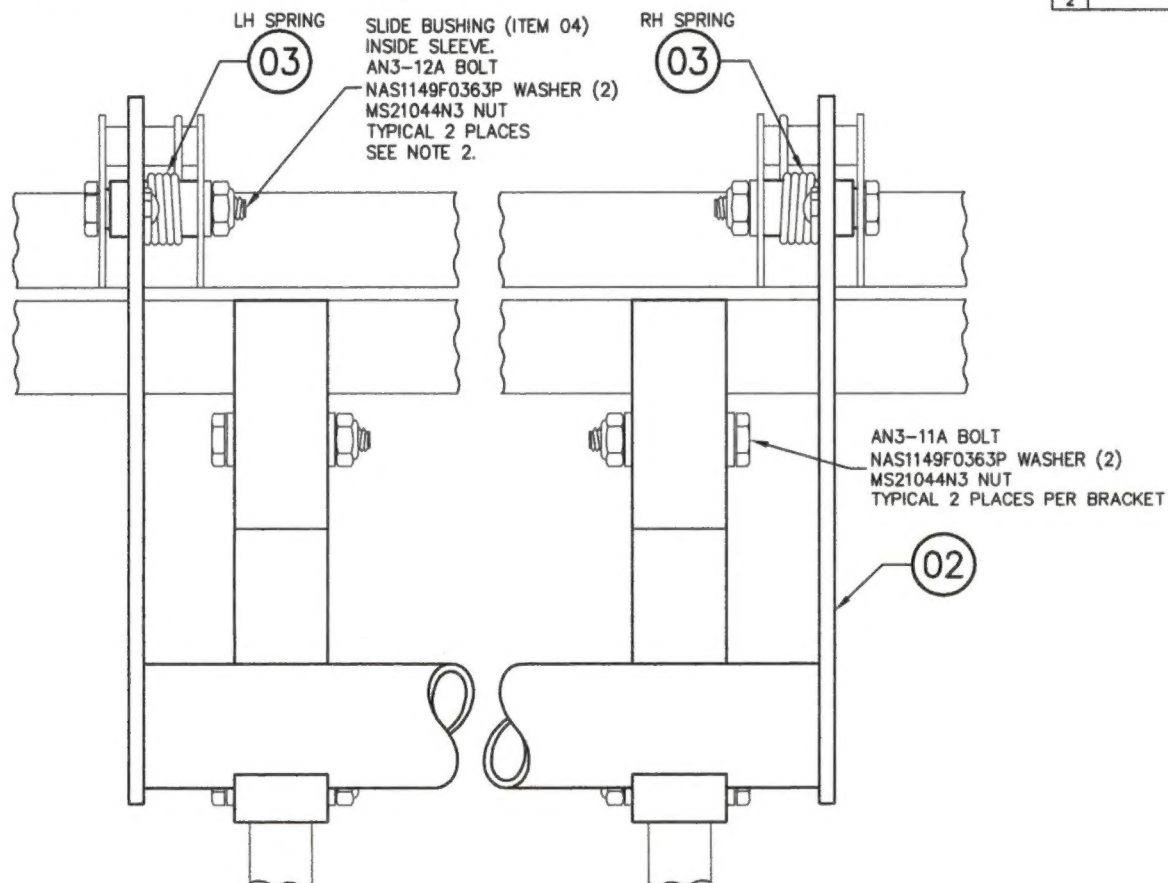
		AERO DESIGN LTD. 6888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 604.482.2370 www.aerodesign.ca	
		HELICOPTER CARGO BASKET ALL MODELS LID BRACE INSTALLATION	
NOT TO SCALE	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A4	84240	0

NOTES:

1. THIS DRAWING IS AN ALTERNATE CONFIGURATION FOR THE HANDLE INSTALLATION SHOWN ON DRAWING 36255.
2. GREASE BUSHING (ITEM 04) USING MOBILGREASE 28 OR EQUIVALENT PRIOR TO INSTALLATION.

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE - CREATED FROM 36255	BJC	NOV 03/09
1	HANDLE END BRACKETS FLIPPED	BJC	SEPT 19/11
2	TITLE BLOCK UPDATED; ADD NOTE 2; HARDWARE UPDATED	BJC	MAR 13/14



01 HANDLE INSTALLATION

A/R	MOBILGREASE 28		GREASE	MIL-PRF-81322F
4	AN3-11A		BOLT	
2	AN3-12A		BOLT	
10	NAS1149F0363P		WASHER	
6	MS21044N3		NUT	
2	84267-01	05	BRACKET	
2	36275-01	04	BUSHING	
2	36278-01	03	SPRING (1 LH, 1 RH)	
1	84261-01	02	HANDLE BAR ASSEMBLY	
	84255-01	01	HANDLE INSTALLATION	
01	PART NO.	ITEM	DESCRIPTION	MATERIAL
QTY.	LIST OF MATERIALS			

APPROVALS	DATE
DRAWN: JEFF CLARKE	03 NOV 2009
CHECKED: E. BURGOIN	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:
DECIMALS ANGLES
X.XXX ±0.010 ±1/2°
X.XX ±0.03
X.X ±0.1



AERO DESIGN LTD.

9888A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G5
TEL: 804.483.2376 www.aerodesign.ca

**HELICOPTER CARGO BASKET
HANDLE BAR INSTALLATION**

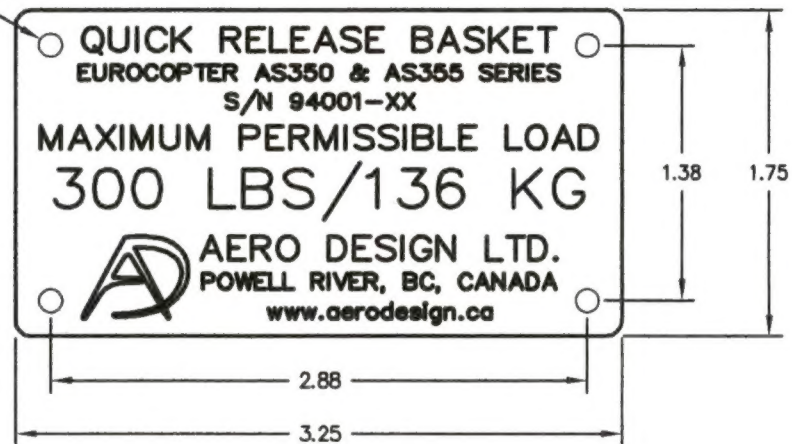
SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A3	84255	2

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	UPDATE TITLE BLOCK; UPDATE ADDRESS AND LOGO; MAT'L THICKNESS CHANGED	BJC	10/07/2014

NOTES


- ENGRAVE 0.007 DEEP AS FOLLOWS:
"QUICK RELEASE BASKET" - 0.125 HIGH
"EUROCOPTER AS350 & AS355 SERIES" - 0.080 HIGH
"S/N 94001-XX" - 0.080 HIGH
"MAXIMUM PERMISSIBLE LOAD" - 0.125 HIGH
"300 LBS/136 KG" - 0.200 HIGH
"AERO DESIGN LTD." - 0.125 HIGH
"POWELL RIVER, BC, CANADA" - 0.080 HIGH
"www.aerodesign.ca" - 0.080 HIGH

DRILL #30 (0.129)
4 PLACES



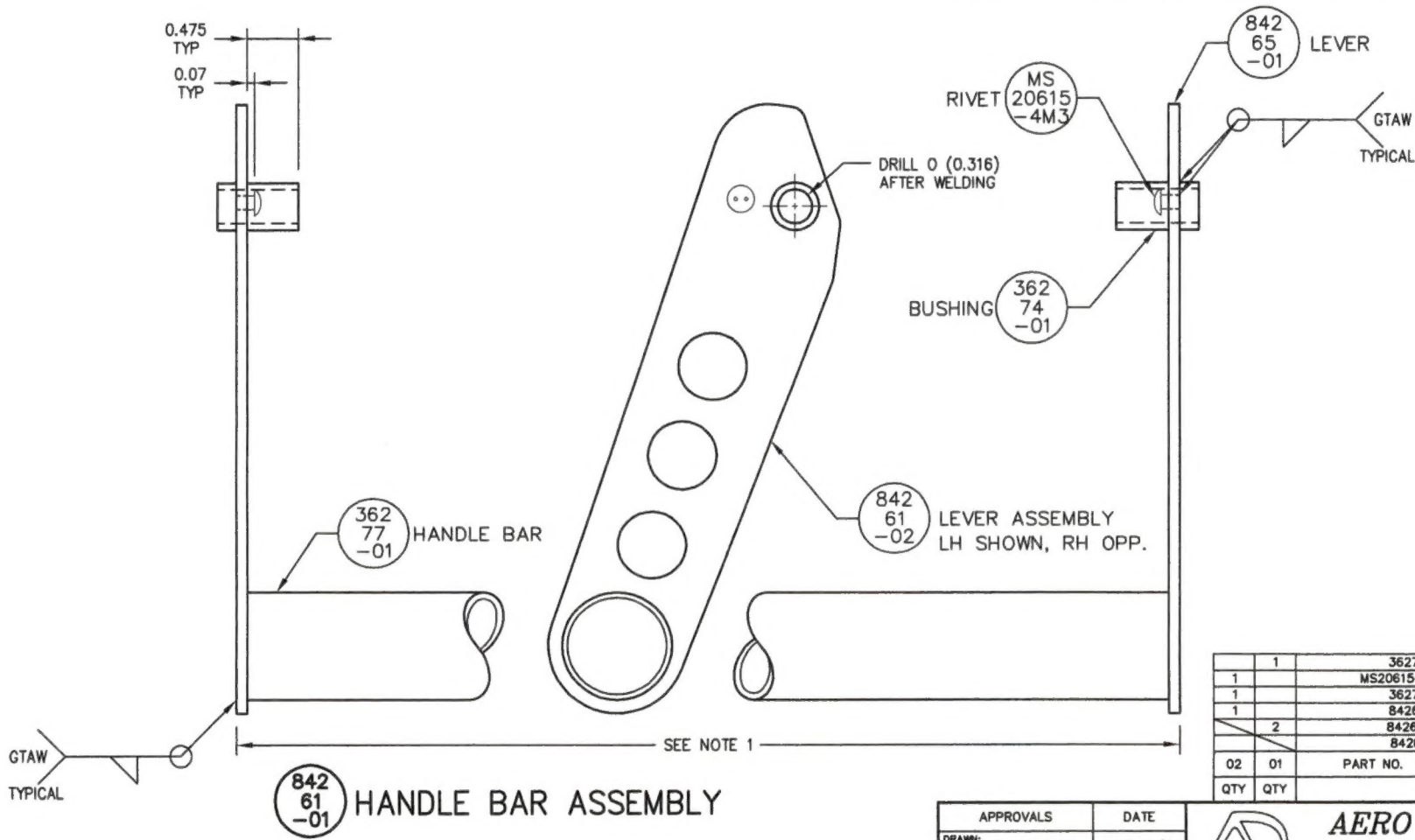
01 PLACARD

94027-01	01	PLACARD	6061-T6 ALUMINUM	QQ-A-250/11	0.050 SHEET
PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
LIST OF MATERIALS					

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.	APPROVALS		DATE		 AERO DESIGN LTD. 9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 604.483.2378 www.aerodesign.ca	
	DRAWN: R. RATHWELL		OCT 3, 2011			
	CHECKED: E. BURGAIN					
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1				EUROCOPTER AS350 & AS355 SERIES QUICK RELEASE CARGO BASKET PLACARD	
	SCALE 1 : 1 SHEET 1 OF 1		DWG. SIZE A4	DWG. NO. 94027	REV. 1	

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	HANDLE END BRACKETS FLIPPED	BJC	SEPT 19/11
2	TITLE BLOCK UPDATED; LEVER ASSEMBLY ASSIGNED P/N	BJC	MAR 13/14



- NOTES:
1. LENGTH OF HANDLE TO BE DETERMINED BY BASKET ASSEMBLY DRAWING.
 2. REMOVE ALL BURRS AND SHARP EDGES.
 3. WELDING TO BE COMPLETED BY GTAW METHOD TO AMS2685C USING ER308L ROD.

QTY	QTY	PART NO.	DESCRIPTION
1		36277-01	HANDLE BAR
1		MS20615-4M3	RIVET (MONEL)
1		36274-01	BUSHING
1		84265-01	LEVER
2		84261-02	LEVER ASSEMBLY (RH/LH)
		84261-01	HANDLE BAR ASSY

APPROVALS		DATE	
DRAWN: R. RATHWELL		JUNE 18/09	
CHECKED: E. BURGAIN			

AERO DESIGN LTD.

9888A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 804.483.8370 www.aerodesign.ca

HELICOPTER CARGO BASKET HANDLE BAR ASSEMBLY			
SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A3	84261	2



WO# 2017-176

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013